

5GHz 300Mbps Hi-Power Outdoor Wireless WISP CPE

WIS-Q5300

WID™

TDMA protocol

16dBi

dual-pola antenna

≈210Mbps+

real throughput



Product Overview

WIS-Q5300 is a Hi-Power outdoor wireless access point and CPE based on 802.11a/n technology. It is high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary power boost technology in hardware design and 16dBi directional dual-polarized antenna, WIS-Q5300 is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions.

Features and Benefits

- WiD TDMA greatly improves the network scalability in throughput and latency
- Gigabit LAN port helps get maximum performance of Wi-Fi
- Multi-operation modes support WISP Mode/Router/Access Point/Station
- 16dBi dual-polarized antenna to build long distance wireless connection
- High output transmission power and receive sensitivity optimized
- Passive POE(24VDC) for flexible deployment
- Supports site survey and RSSI signal LEDs
- IP65 outdoor Weather-proof housing selectable
- OEM/ODM, customized enclosure and software available

Network Example



The WIS-Q5300 as clients in PtMP WISP connection for home and enterprise users.

Specification

> Radio

- 802.11a/n radio (Atheros 600MHz)
 - Speed up to 300 Mbps
 - Frequency Range: 5.150-5.250GHz
 - 5.250-5.350GHz (Support DFS)
 - 5.470-5.725GHz (Support DFS)
 - 5.725-5.825GHz
 - Tx Power up to 27dBm
 - Rx Sensitivity 300M: -74dBm@10% PER
 - 54M: -78dBm@10% PER
 - 1M: -98dBm@10% PER
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> Antenna

- 16dBi dual-polarized directional antenna
 - Beamwidth(HPBW) Horizontal: 45°, Vertical: 14°
 - Open space up to 1~10km (dependent)
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>Physical Parameters

- Dimension: 180*95*44mm
 - Weight: 0.27kg
 - Enclosure: Weatherproof Plastic
 - ESD Protection: 15kV
 - Lightning Protection: 4kV
 - Working Temp: -40 ~ 65°C
 - Storage Temp: -40 ~85°C
 - Working Humidity: 10%~95% non-condensing
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>Security

- Integrated Firewall
 - WPA/WPA2;WPA-PSK/WPA2-PSK (AES/TKIP)
Encryption; 64/128-bit WEP;
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> Interfaces

- 1x 10/100/1000 Base-T Ethernet (RJ45 with Passive PoE)
 - Reset
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> Power

- 24VDC, 0.75A
 - Power Consumption: 6W
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>LED

- Power:On/Off
 - LAN:On/Off/Flashing
 - WLAN:On/Off/Flashing
 - RSSI Signal: 1,2,3
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>Warranty

- 1 Year
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>Certification

- CE, RoHS
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>Package content

- WIS-Q5300
 - Quick Setup Guide
 - Power Adapter with Passive PoE
 - RJ-45 Ethernet Cable
 - Mounting kits
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